Pro-face

The easy way to Interface

2010-2011

Corporate and Product Guide

AGP3000 / AST3000 / GP4000 Series
Touch HMI

AGP3000 / LT3000 Series
Touch PLC

APL3000 / PS3000 Series
Industrial PC

FP3000 Series
Industrial Flat Panel Display

Pro-face Software
"All-in-one" Software

Pro-face®

Innovation 3000

The advent of the 3000 Series heralds a revolution in production environments. Oriented around its displays, it gives an enormous boost to "Visualisation" on the manufacturing floor. The 3000 Series was born to meet the ever-increasing demands
from markets. Ever since we released the world's first programmable display, Pro-face has continued to be a leader in providing a product lineup featuring the latest technology and functions. Revolutionise your production with the new "Innovation 3000"

Revolutionize your production with the new "Innovation 3000".

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Software

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"All-in-one" HMI Software

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Powerful and easy to use

Touch HMI Multi-driver

25 models Multimedia or Standard - 6 screen sizes.

AGP3000

15-inch — 4 drivers simultaneous

AGP-3750T

AGP3750-T1-AF AC 100-240V

AGP3750-T1-D24 DC24V

CE UL cUL

- TFT Colour XGA
- 1024 x 768 pixels
- 65 536 colours
- 16 MB FEPROM
- 395W x 294H x 60D

SIO 2 ch | Ethernet
Expansion unit | USB x 2
VM unit optional | CF card
AUX / Sound Out
Video In | Sound In

12.1-inch — 4 drivers simultaneous

AGP-3650T

AGP3650-T1-AF CE UL cUL AC 100-240V

- TFT Colour SVGA
- 800 x 600 pixels
- 65 536 colours
- 10 MB FEPROM
- 313W x 239H x 56D

SIO 2 ch | Ethernet
Expansion unit | USB x 2
VM unit optional | CF card
AUX / Sound Out
Video In | Sound In

AGP-3650U

AGP3650-U1-D24 CE DC24V

- TFT Colour SVGA
- 800 x 600 pixels
- 65 536 colours
- 10 MB FEPROM
- 313W x 239H x 56D

SIO 2 ch | Ethernet
Expansion unit | USB x 2
VM unit optional | CF card
AUX / Sound Out
Video In | Sound In
Ultra High-Brightness

AGP-3600T

AGP3600-T1-D24 CE UL cUL DC24V

- TFT Colour SVGA
- 800 x 600 pixels
- 65 536 colours
- 16 MB FEPROM
- 313W x 239H x 56D

SIO 2 ch | Ethernet
Expansion unit | USB x 2
VM unit optional | CF card
AUX / Sound Out

10.4-inch — 4 drivers simultaneous

AGP-3560T

AGP3560-T1-AF CE UL cUL AC 100-240V

- TFT Colour SVGA
- 800 x 600 pixels
- 65 536 colours
- 10 MB FEPROM
- 270.5W x 212.5H x 57D

SIO 2 ch | Ethernet
Expansion unit | USB x 2
VM unit optional | CF card
AUX / Sound Out
Video In | Sound In

AGP-3550T

AGP3550-T1-AF CE UL cUL AC 100-240V

- TFT Colour VGA
- 640 x 480 pixels
- 65 536 colours
- 10 MB FEPROM
- 270.5W x 212.5H x 57D

SIO 2 ch | Ethernet
Expansion unit | USB x 2
VM unit optional | CF card
AUX / Sound Out
Video In | Sound In

AGP-3510T

AGP3510-T1-AF CE UL cUL AC 100-240V

- TFT Colour SVGA
- 800 x 600 pixels
- 65 536 colours
- 16 MB FEPROM
- 270.5Wx 212.5H x 57D

SIO 2 ch | Ethernet
Expansion unit | USB x 2
VM unit optional | CF card
AUX / Sound Out

AGP-3500T

AGP3500-T1-D24 CE UL cUL DC24V

- TFT Colour VGA
- 640 x 480 pixels
- 65 536 colours
- 16 MB FEPROM
- 270.5W x 212.5H x 57D

SIO 2 ch | Ethernet
Expansion unit | USB x 2
VM unit optional | CF card
AUX / Sound Out

AGP-3500S

AGP3500-S1-D24 CE UL cUL DC24V

- STN Colour VGA
- 640 x 480 pixels
- 4096 colours
- 16 MB FEPROM
- 313W x 239H x 56D

SIO 2 ch | Ethernet
Expansion unit | USB x 2
CF card
AUX / Sound Out

AGP-3500L

AGP3500-L1-D24 CE UL cUL DC24V

- B/W VGA
- 640 x 480 pixels
- 16 shades of grey
- 16 MB FEPROM
- 313W x 239H x 56D

SIO 2 ch | Ethernet
Expansion unit | USB x 2
CF card
AUX / Sound Out

7.5-inch — 4 drivers simultaneous

AGP-3450T

AGP3450-T1-D24 CE UL cUL DC24V

- TFT Colour VGA
- 640 x 480 pixels
- 65 536 colours
- 10 MB FEPROM
- 215W x 170H x 60D

SIO 2 ch | Ethernet
Expansion unit | USB x 1
CF card
AUX / Sound Out
Video In | Sound In

AGP-3400T/S

AGP3400-T1-D24
AGP3400-S1-D24 CE UL cUL DC24V

- Colour VGA
- 640 x 480 pixels
- 65 536 colours (3400T)
  4096 colours (3400S)
- 16 MB FEPROM
- 215W x 170H x 60D

SIO 2 ch | Ethernet
Expansion unit | USB x 1
CF card
AUX / Sound Out

5.7-inch — 2 drivers simultaneous

AGP-3300T/S

AGP3300-T1-D24
AGP3300-S1-D24 CE UL cUL DC24V

- Colour QVGA
- 320 x 240 pixels
- 65 536 colours (3300T)
  4096 colours (3300S)
- 6 MB FEPROM
- 167.5W x 135H x 59.5D

SIO 2 ch | Ethernet
Expansion unit | USB x 1
CF card

AGP-3360T

AGP3360-T1-D24 CE UL cUL DC24V

- TFT Colour VGA
- 640 x 480 pixels
- 65 536 colours
- 8 MB FEPROM
- 167.5W x 135H x 59.5D

SIO 2 ch | Ethernet
Expansion unit | USB x 1
CF card
AUX / Sound Out
Video In | Sound In

AGP-3310T

AGP3310-T1-D24 CE UL cUL DC24V

- TFT Colour VGA
- 640 x 480 pixels
- 65 536 colours
- 8 MB FEPROM
- 167.5W x 135H x 59.5D

SIO 2 ch | Ethernet
Expansion unit | USB x 1
CF card

AGP-3300U

AGP3300-U1-D24 CE UL cUL DC24V

- TFT Colour High brightness
- 320 x 240 pixels
- 65 536 colours
- 6 MB FEPROM
- 167.5W x 135H x 59.5D

SIO 2 ch | Ethernet
Expansion unit | USB x 1
CF card
Ultra High-Brightness

3.8-inch — 2 drivers simultaneous

AGP-3300L

AGP 3300-L1-D24 CE UL cUL DC24V

- B/W QVGA
- 320 x 240 pixels
- 16 shades of grey
- 6 MB FEPROM
- 167.5W x 135H x 59.5D

SIO 2 ch | Ethernet
Expansion unit | USB x 1
CF card

AGP-3301S

AGP3301-S1-D24 CE UL cUL DC24V

- STN Colour QVGA
- 320 x 240 pixels
- 4096 colours
- 6 MB FEPROM
- 167.5W x 135H x 59.5D

SIO 2 ch
Expansion unit | USB x 1
CF card

AGP-3301L

AGP 3301-L1-D24 CE UL cUL DC24V

- B/W QVGA
- 320 x 240 pixels
- 16 shades of grey
- 6 MB FEPROM
- 167.5W x 135H x 59.5D

SIO 2 ch
Expansion unit | USB x 1
CF card

AGP-3302B

AGP3302-B1-D24 CE UL cUL DC24V

- Blue Mode QVGA
- 320 x 240 pixels
- 16 shades of blue
- 6 MB FEPROM
- 167.5W x 135H x 59.5D

SIO 2 ch
Expansion unit | USB x 1

AGP-3200T

AGP3200-T1-D24 CE UL cUL DC24V

- TFT Colour QVGA
- 320 x 240 pixels
- 256 colours
- 6 MB FEPROM
- 130W x 104H x 40D

SIO 1 ch | Ethernet
USB x 1

AGP-3200A

AGP3200-A1-D24 CE UL cUL DC24V

- Amber QVGA
- 320 x 240 pixels
- 8 shades
- 6 MB FEPROM
- 130W x 104H x 40D

SIO 1 ch | Ethernet
USB x 1

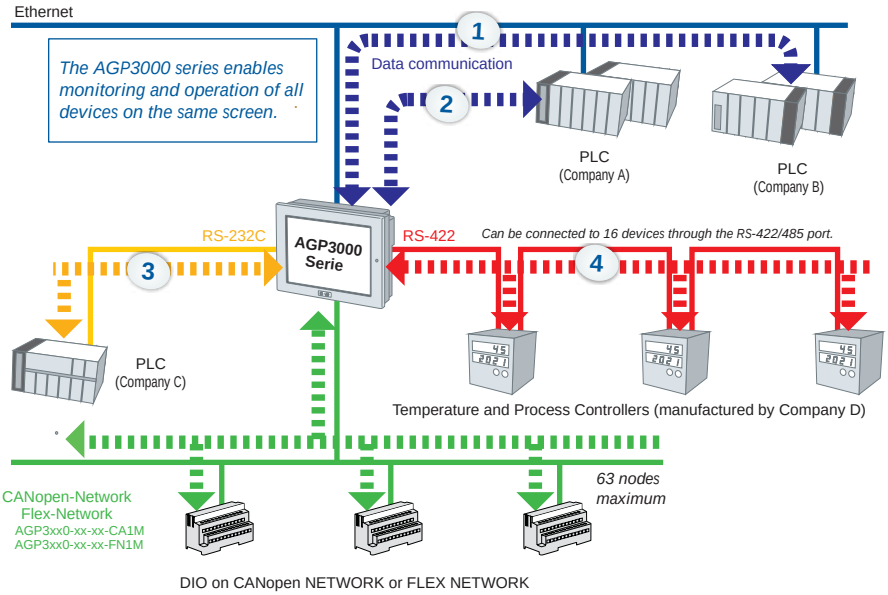
AGP3000 : Key Features

Communicate with up to four types of device

4 drivers simultaneous

Communicate simultaneously with four devices and manage all information with one unit. Pro-face is the leader in the number of communication drivers supported.

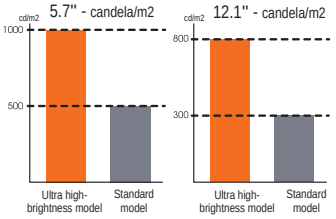
*5.7 inch models enable simultaneous communication with up to two devices.



DIO on CANopen NETWORK or FLEX NETWORK

New

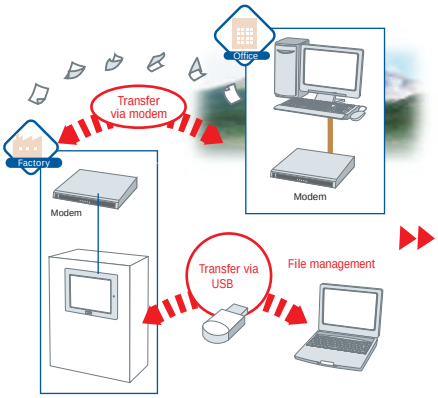
Ultra high brightness



The 5.7-inch model has an ultra high-brightness TFT LCD screen of 1000 cd/m2 and the 12.1-inch model has an ultra high-brightness TFT LCD screen of 800 cd/m2 (for liquid crystal part only).
These screens allow you to use this HMI in a broad range of environments, including well-lit locations.

Screen data transfer

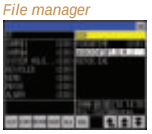
Screen data transfer via modem for USB.

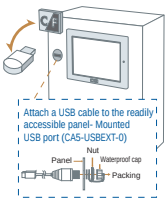


File management

USB -> flash memory
USB -> CF card .

File manager





Applications

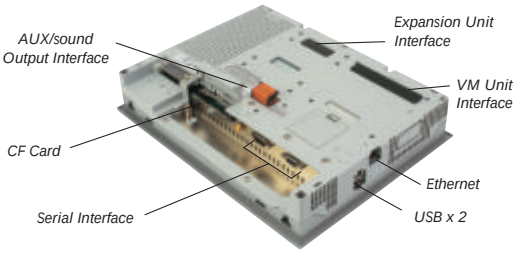
Numerous applications are available, including the following:

- Transfer screen data.
- Collect log data.
- Change recipes.
- Manage Movie files.

More interfaces are available

These interfaces simplify connection to existing systems as well as system additions and future expansion.

Note: Available interfaces vary by Model. The photo shows the interfaces for the AGP-3650T (AC). For a list of the compliant models, please refer to our website.



Video unit

New model

RGB2ch input unit (*)

- It's possible to input RGB video images to 2 channels and display them.
- Convert input resolution resolution and display images (EX.XGA->SVGA)

GP3000 VM unit & DVI input unit (*)

4ch NTSC inputs and 1ch DVI input/DVI output equipped

GP3000 VM unit

1ch DVI input equipped

DVI input unit

(*)Video unit is only available with AGP3750T, AGP36**T, AGP35**T

Driver List

AGP3000 Series

PLCs

Manufacturer	Driver name	GP Pro EX AGP	GP Pro EX WinGP	Device Monitor	Pass Through
Siemens AG	SIMATIC S7 3964(R)RK512	●	●	●	
	SIMATIC S7 MPI Direct	●	●(*1)	●	●
	SIMATIC S7 Ethernet	●	●	●	
	SIMATIC S5 3964(R)RK512®	●	●	●	
	SIMATIC S5 CPU Direct	●	●	●	
Schneider Electric	Modbus SIO Master	●	●	●	
	Modbus TCP Master	●	●	●	
	Uni-Telway	●	●	●	
	Modbus Slave (TCP/SIO)	●	●	●	
Beckhoff	TwinCAT ADS/AMS	●	●	●(*2)	
Rockwell Automation	DF1	●	●	●	●
	EtherNet / IP	●	●	●(*2)	
	DH-485	●		●	
Omron	C/CV Series HOST Link	●	●	●	
	CS/CJ Series Ethernet	●	●	●	●
	CS/CJ Series Ethernet IP	●	●	●(*2)	
	CS/CJ Series HOST Link	●	●	●	●
Mitsubishi	A Series CPU Direct	●	●	●	●
	A Series Ethernet	●	●	●	
	A Series Computer Link	●	●	●	
	FX Series CPU Direct	●	●	●	●
	FX Series Computer Link	●	●	●	
	FX Series Ethernet	●	●	●	
	Q Series CPU Direct	●	●	●	●
	Q Series QnU CPU Ethernet	●	●	●	
	Q/QnA Serial Communication	●	●	●	
	Q/QnA Series Ethernet	●	●	●	
	Q/QnA Series CPU Direct	●	●	●	●
	QUTE Series CPU Direct	●	●	●	●
Mitsubishi Heavy Ind.	DIASYS Netmation Modbus TCP	●	●	●	
	MHI Step 3 Ethernet	●	●		
Saia Burgess	SAIA S-Bus SIO	●	●	●	
Keyence	KV-700/1000/3000/5000 Series CPU Direct	●	●	●	●
	KV-700/1000/3000/5000 Series Ethernet	●	●	●	
	KV-10_80RW/TW CPU Direct	●	●	●	
	KV series CPU direct	●		●	
GE Fanuc Aut.	Series 90 Ethernet	●	●	●	
	Series 90-30/70 SNP	●	●	●	
	Series 90-30/70 SNP-X	●	●	●	
Fuji Electric	MICREX-F Series SIO	●	●	●	
	MICREX-SX Series SIO	●	●	●	
	MICREX-SX Series Ethernet	●	●	●	
	Inverter SIO	●	●	●	
Yaskawa	MEMOBUS SIO	●	●	●	
	MEMOBUS Ethernet	●	●	●	
	MP Series SIO (Extension)	●	●	●	●
	MP Series Ethernet (Extension)	●	●	●	●
Hitachi Indus. Equipment Systems Co.	H Series SIO	●	●	●	●
	H Series Ethernet	●	●	●	
	Inverter Modbus RFU	●	●	●	
	Inverter ASCIJ SIO	●	●	●	
Hitachi	S10V Series Ethernet	●	●	●	
	S10 Series SIO	●	●	●	
Matsushita(Pana.)	FP Series Computer Link SIO	●	●	●	
Yokogawa	Personal computer Link SIO	●	●	●	●
	Personal computer Link Ethernet	●	●	●	●
Jtekt	TOYOPUC CMP-LINK SIO	●	●	●	
	TOYOPUC CMP-LINK Ethernet	●	●	●	
Sharp	JW Series Computer Link SIO	●	●	●	
	JW Series Computer Link Ethernet	●	●	●	

(*1) WinGP needs the external adapter 700-881-MPI11 [MPI Ethernet Adapter (NETLink PRO)]. (*2) Variables are not supported for monitoring devices

PLCs

Manufacturer	Driver name	GP Pro EX AGP	GP Pro EX WinGP	Device Monitor	Pass Through
LS Industrial systems	MASTER-K Series Cnet	●	●	●	
	XGT Series FENet	●	●	●	
	XGT Series Cnet	●	●	●	
Meidensha	UNISEQUE SERIES Ethernet	●	●	●	
Fanuc Ltd	Power mate Series	●	●	●	
Toshiba Machine Co	TC Series (TCmini/TC200)	●	●	●	
Toshiba	Computer Link SIO	●	●	●	
	Computer Link Ethernet	●	●	●	
Koyo Electronics	KOSTAC/ DL series CCM SIO	●	●	●	
	KOSTAC/ DL series modbus TCP	●	●	●	
Fatec Automation Co	FB Series SIO	●	●	●	
Control Technology corp.	CTC Binary Protocol	●	●	●	
Control Techniques	Modbus SIO - including CMP routing command	●	●	●	
CoDeSys Automation Alliance	CoDeSys SIO	●	●	●	
	CoDeSys TCP	●	●	●	

Temperature and Process Controllers

Manufacturer	Driver name	GP Pro EX AGP	GP Pro EX WinGP	Device Monitor	Pass Through
Omron	Temp.Controller CompoWay/F	●	●	●	
RKC Instrument	Temp.Controller Modbus SIO	●	●	●	
	Temp.Controller RKC SIO	●	●	●	
Shinko Technos	Controller SIO	●	●	●	
Yokagawa Elec.C	Personal computer Link Ethernet	●	●	●	
Chino Corporation	Temp. Controller Modbus SIO	●	●	●	
Fuji Electric Systems Co.	Temp. Controller Modbus SIO	●	●	●	
Yamatake	Modbus SIO master	●	●	●	
	Modbus TCP Master	●	●	●	
	Digital Controller SIO	●	●	●	

Inverter

Manufacturer	Driver name	GP Pro EX AGP	GP Pro EX WinGP	Device Monitor	Pass Through
Mitsubishi Elec.Corp	FREQROL Inverter	●	●	●	
Yaskawa Elec.Corp	Inverter SIO	●	●	●	
Lenze	Lecom 2102 series	●	●		

Fieldbus

Manufacturer	Driver name	GP Pro EX AGP	GP Pro EX WinGP	Device Monitor	Pass Through
Profibus Int.	PROFIBUS DP Slave	●		●	
ODVA	DeviceNet Slave	●		●	
	Ethernet IP explicit messaging	●	●		
CC Link Partner Ass	CC Link intelligent device	●	●	●	
Modbus- IDA	General Modbus RTU SIO Master	●	●	●	
	General Modbus TCP Master	●	●	●	
CAN in Automation	CANopen Slave	●	●	●	

Industrial Robot

Manufacturer	Driver name	GP Pro EX AGP	GP Pro EX WinGP	Device Monitor	Pass Through
Hyundai Heavy Ind.	Hi4 Robot	●	●	●	
IAI Corporation	ROBO CYLINDER Modbus SIO	●	●	●	
	X-SEL Controller	●	●	●	

Other devices

Manufacturer	Driver name	GP Pro EX AGP	GP Pro EX WinGP	Device Monitor	Pass Through
Digital Elect.Corp	Memory Link	●	●	●	
	General Ethernet	●	●		
	General SIO	●	●	●	

For latest drivers, please refer to http:\\www.proface.eu/support-download/drivers/

Easy software GP-Pro EX P15

Handy Touch HMI Multi-driver

AGP3000H

5.7-inch 2 drivers simultaneous

AGP-3310HT

AGP 3310H-T1-D24

DC24V

- TFT Colour VGA
- 640 x 480 pixels
- 65 536 colours
- 8 MB FEPROM
- 224W x 174H x 87.1D

SIO ch x 1 | Ethernet | USB x 1 | CF card

AGP-3300HS

AGP 3300H-S1-D24

DC24V

- STN Colour QVGA
- 320 x 240 pixels
- 4096 colours
- 6 MB FEPROM
- 224W x 174H x 87.1D

SIO ch x 1 | Ethernet | USB x 1 | CF card

AGP-3300HL

AGP 3300H-L1-D24

DC24V

- Monochrome QVGA
- 320 x 240 pixels
- 16 shades of grey
- 6 MB FEPROM
- 224W x 174H x 87.1D

SIO ch x 1 | Ethernet | USB x 1 | CF card

AGP3000H range: Key points

- Designed for superb portability with a lightweight, easy-to-use cable.
- Includes a practical and high speed Ethernet port for data handling and networking configuration.
- Designed with a focus on safety.
- High-resolution 5.7-inch VGA display available.

ID control function located on the adapter gives the possibility to install many adapters on production line and check on which adapter the Handy is connected.

Emergency Stop Switch

The emergency stop switch securely stops the machine when a circuit fault or other emergency occurs.

The E-stop button activate 2 positive opening safety contacts (NF) and 1 auxiliary contact (NO)

For non safety application, the color of the switch can be selected between grey or uncolored: The switch is removable

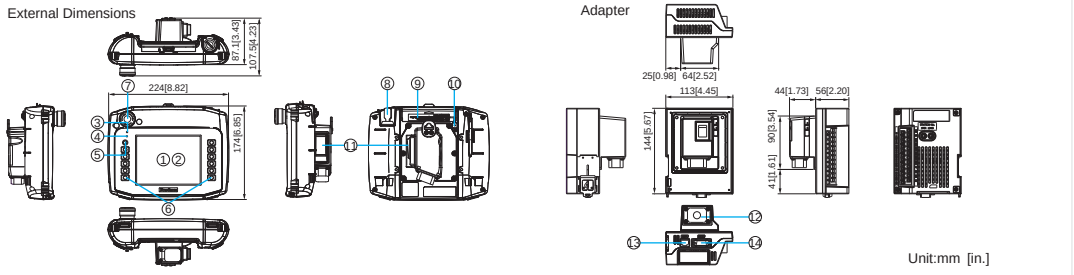
Three position device

The Handy Panel is equipped with an ergonomical three postion device necessary during trouble shooting and testing.
The ready signal is given only in distant middle position.

2 positive opening safety contacts provide enhanced safety.

The key switch allows you to move the device without triggering the emergency stop.

Dimensions



① Display
② Touch Panel
③ Status LED
④ Operation LED
⑤ Operation switch
⑥ Function switch
⑦ Emergency switch
⑧ Key switch
⑨ CF card cover
⑩ CF card Access LED
⑪ 3-position Enable switch
⑫ GP3000H-cable I/F
⑬ Ethernet I/F
⑭ Serial I/F (COM1)

Easy software
GP-Pro EX P15

Basic Touch HMI Multi-driver

AST3000

5.7-inch 2 drivers simultaneous

3.8-inch 2 drivers simultaneous

AST-3302B

AST3302-B1-D24

CE UL cUL DC24V

- Blue mode QVGA
- 320 x 240 pixels
- 8 shades
- 6 MB
- 167.5W x 135H x 59.5D

USB 1x
SIO 1 x RS232
SIO 1 x RS485 / MPI

AST-3201A

AST3201-A1-D24

CE UL cUL DC24V

- Amber/red QVGA
- 320 x 240 pixels
- 8 shades
- 6 MB
- 130W x 104H x 40D

USB 1x
SIO 1 x RS232
SIO 1 x RS422/485

AST-3211A

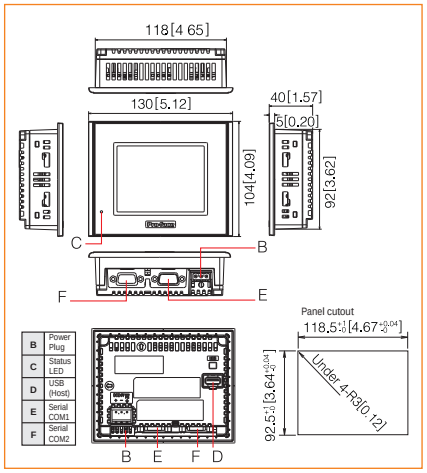
AST3211-A1-D24

CE UL cUL DC24V

- Amber/red QVGA
- 320 x 240 pixels
- 8 shades
- 6 MB
- 130W x 104H x 40D

USB 1x
SIO 1 x RS232
SIO 1 x RS485 / MPI

3,8" AST dimensions



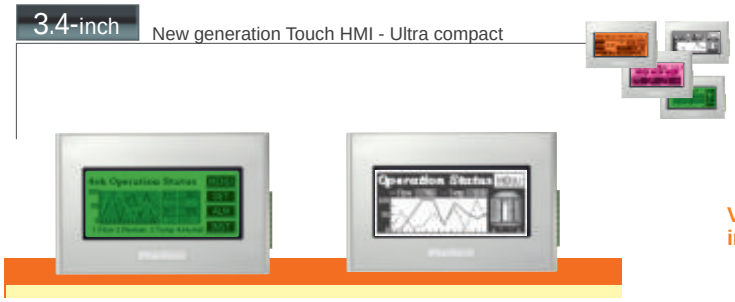
Easy transfer of screen data (HMI project) without PC

You can easily transport data (HMI project or process data) with commercially available USB storage media.

GP4000 series Touch HMI Multi-driver

GP4000

3.4-inch New generation Touch HMI - Ultra compact



GP410xG

GP4105G1D (RS232)
GP4106G1D (RS422/485)
GP4107G1D (RS485/MPI)

CE UL cUL DC24V

- green/orange/red STN
- 200 x 80pixels
- 16 shades
- 2 MB
- 116.5W x 77.5H x 28D

USB 1x type A
USB1 x mini B
SIO 1 x

GP410xW

GP4105W1D (RS232)
GP4106W1D (RS422/485)
GP4107W1D (RS485/MPI)

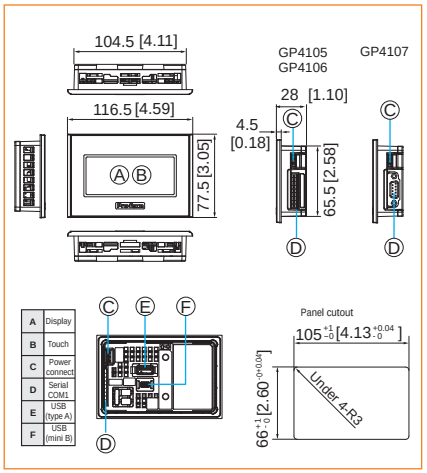
CE UL cUL DC24V

- white/pink/red STN
- 200 x 80pixels
- 16 shades
- 2 MB
- 116.5W x 77.5H x 28D

USB 1x type A
USB1 x mini B
SIO 1 x

Vertical or horizontal installation

3,4" GP4100 dimensions



Easy transfer of screen data (HMI project) without PC

Screen data transfer is also available for 4000 series. A USB extension cable (item : CA5-USBEXT-01) can be installed to the front of the cabinet for maintenance without opening the cabinet

Easy software
GP-Pro EX P15

Touch PLC

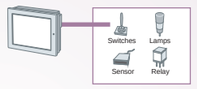
AGP3000

Fusion of Graphic Operator and control functions.

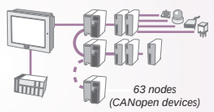
Control functions

You can easily add a variety of control devices.
For the DIO type, you can directly connect various components such as buttons and lamps. In addition the FLEX NETWORK type allows space-saving connections with less wiring.

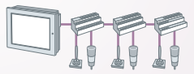
DIO type (-D81C)
DIO (sink) type: 6 inputs/2 outputs
DIO (source) type: 6 inputs/2 outputs



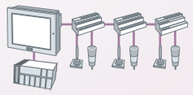
CANopen Network type (-CA1M)
Maximum number of expandible I/O:
512 bit I/O
128 integral I/O



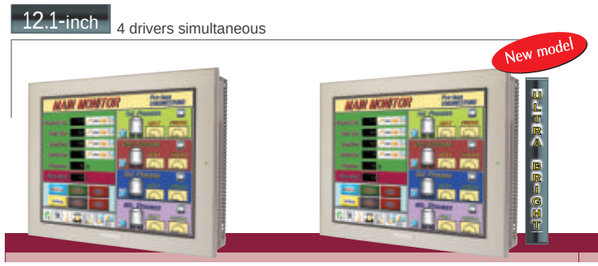
Flex Network type (-FN1M)
Maximum number of expandible I/O:
512 bit I/O
128 integral I/O



Opening toward various PLCs
Every protocol available on the AGP series can be integrated into the LADDER.



12.1-inch — 4 drivers simultaneous



AGP-3600T

AGP3600-T1-D24-D81C
AGP3600-T1-D24-CA1M
AGP3600-T1-D24-FN1M

CE UL cUL DC24V

- TFT Colour SVGA
- 800 x 600 pixels
- 65 536 colours
- 16 MB FEPROM
- 313W x 239H x 56D

SIO 2 ch | Ethernet
Expansion Unit | USB x 2
VM unit optional | CF card
AUX / Sound Out
D81C: DIO
CA1M: CANopen Network
FN1M: Flex Network

AGP-3600U

AGP3600-U1-D24-CA1M

CE DC24V

- TFT Colour SVGA
- 800 x 600 pixels
- 65 536 colours
- 16 MB FEPROM
- 313W x 239H x 56D

SIO 2 ch | Ethernet
Expansion Unit | USB x 2
VM unit optional | CF card
AUX / Sound Out
Ultra bright
CA1M: CANopen Network

10.4-inch — 4 drivers simultaneous

AGP-3500T

AGP3500-T1-D24-D81C
AGP3500-T1-D24-CA1M
AGP3500-T1-D24-FN1M

CE UL cUL DC24V

- TFT Colour VGA
- 640 x 480 pixels
- 65 536 colours
- 16 MB FEPROM
- 270.5W x 212.5H x 57D

SIO 2 ch | Ethernet
Expansion Unit | USB x 2
VM unit optional | CF card
AUX / Sound Out
D81C: DIO
CA1M: CANopen Network
FN1M: Flex Network

AGP-3500S

AGP3500-S1-D24-D81C
AGP3500-S1-D24-CA1M

CE UL cUL DC24V

- STN Colour VGA
- 640 x 480 pixels
- 4096 colours
- 16 MB FEPROM
- 313W x 239H x 56D

SIO 2 ch | Ethernet
Expansion Unit | USB x 2
CF card
AUX / Sound Out
D81C: DIO
CA1M: CANopen Network

AGP-3500L

AGP3500-L1-D24-D81C

CE UL cUL DC24V

- B/W VGA
- 640 x 480 pixels
- 16 shades of grey
- 16 MB FEPROM
- 313W x 239H x 56D

SIO 2 ch | Ethernet
Expansion Unit | USB x 2
CF card
AUX / Sound Out
D81C: DIO

7.5-inch — 4 drivers simultaneous

AGP-3400T

AGP3400-T1-D24-D81C
AGP3400-T1-D24-CA1M
AGP3400-T1-D24-FN1M

CE UL cUL DC24V

- TFT Colour VGA
- 640 x 480 pixels
- 65 536 colours
- 16 MB FEPROM
- 215W x 170H x 60D

SIO 2 ch | Ethernet
Expansion Unit | USB x 1
CF card
AUX / Sound Out
D81C: DIO
CA1M: CANopen Network
FN1M: Flex Network

AGP-3400S

AGP3400-S1-D24-D81C
AGP3400-S1-D24-CA1M

CE UL cUL DC24V

- STN Colour VGA
- 640 x 480 pixels
- 4096 colours
- 16 MB FEPROM
- 215W x 170H x 60D

SIO 2 ch | Ethernet
Expansion Unit | USB x 1
CF card
AUX / Sound Out
D81C: DIO
CA1M: CANopen Network

5.7-inch — 2 drivers simultaneous

GP-PRO Ex V2.60
New CANopen configurator for Node and I/Os declaration

AGP-3300T

AGP3300-T1-D24-D81C
AGP3300-T1-D24-CA1M
AGP3300-T1-D24-FN1M

CE UL cUL DC24V

- TFT Colour QVGA
- 320 x 240 pixels
- 65 536 colours
- 6 MB FEPROM
- 167.5W x 135H x 59.5D

SIO 2 ch | Ethernet
Expansion Unit | USB x 1
CF card
D81C: DIO
CA1M: CANopen Network
FN1M: Flex Network

AGP-3300S

AGP3300-S1-D24-D81C
AGP3300-S1-D24-CA1M

CE UL cUL DC24V

- STN Colour QVGA
- 320 x 240 pixels
- 4096 colours
- 6 MB FEPROM
- 167.5W x 135H x 59.5D

SIO 2 ch | Ethernet
Expansion Unit | USB x 1
CF card
D81C: DIO
CA1M: CANopen Network

AGP-3300L

AGP3300-L1-D24-D81C
AGP3300-L1-D24-CA1M
AGP3300-L1-D24-FN1M

CE UL cUL DC24V

- B/W QVGA
- 320 x 240 pixels
- 16 shades of grey
- 6 MB FEPROM
- 167.5W x 135H x 59.5D

SIO 2 ch | Ethernet
Expansion Unit | USB x 1
CF card
D81C: DIO
CA1M: CANopen Network
FN1M: Flex Network

CANopen Slave Unit

HTB1C0DM9LP

- 12 inputs configurable as :
  . Fast counter 5 Khz (up/down)
  . Fast counter 20 Khz (up/down, 2 phases, frequency meter)
- 8 outputs
  . 6 Relay output
  . 2 source output configurable as PWM

CANopen slave unit I/O expansion with EXM I/O modules

Add-on I/O modules

Digital input / output modules

	EXM-DDI8DT	EXM-DDI16DT	EXM-DDO8TT (*1)	EXM-DDO16TK (*1)(*2)	EXM-DRA8RT	EXM-DRA16RT	EXM-DMM8DRT	New EXM-DMM24DRF (*2)
Inputs	8	16					4	16
Outputs			8 source	16 source	8 relay	16 relay	4 relay	8 relay
Output range			0.3 A / output 1 common - 3 A / common	0.1 A / output 1 common - 1 A / common	2 A / output 2 common - 7 A / common	2 A / output 2 common - 8 A / common	2 A / output 1 common - 7 A / common	2 A / output 2 common - 7 A / common

(*1) Other version available: sink output model - EXM-DDO8UT and EXM-DDO16UK.
(*2) Removable through terminal connector for all EXM modules except EXM-DDO16TK (MIL connector) and EXM-DMM24DRF (terminal block).

Analog input / output modules

	EXM-AMO1HT	New EXM-AVO2HT	EXM-AMI2HT	EXM-AMM3HT	EXM-ALM3LT	New EXM-AMI4LT	New EXM-AMM6HT	New EXM-ARI8LT
Inputs			2	2	2	4	4	8
Resolution			12 bits	12 bits	12 bits	12 bits	12 bits	10 bits
Input range			0..10 V / 4..20 mA	0..10 V / 4..2 0mA	Thermocouple K,J,T PT100 (3 wires)	0..10 V / 0..20 mA PT100 / PT1000 Ni100 / Ni1000	0..10 V / 4..20 mA	PT100 / PT1000 Ni100 / Ni1000
Outputs	1	2		1	1		2	
Resolution	12 bits	11 bits + sign		12 bits	12 bits		12 bits	
Output range	0..10 V / 4..20 mA	-10 V..+10 V		0..10 V / 4..20 mA	0..10 V / 4..20 mA		0..10 V / 4..20 mA	

Touch PLC Compact

LT3000

5.7-inch

3.8-inch

LT-3300S

LT3300-S1-D24

CE UL cUL DC24V

- STN Colour QVGA
- 320 x 240 pixels
- 4096 colours
- 6 MB FEPROM
- 167.4W x 135H x 77.6D

USB x 1 | SIO 1 ch
Ethernet | 16 I / 16 O
CANopen master (option)
I/O EXM - max 3 modules (option)

LT-3300L

LT3300-L1-D24

CE UL cUL DC24V

- Monochrome QVGA
- 320 x 240 pixels
- 16 shades of grey
- 6 MB FEPROM
- 167.4W x 135H x 77.6D

USB x 1 | SIO 1 ch
Ethernet | 16 I / 16 O
CANopen master (option)
I/O EXM - max 3 modules (option)

LT-3301L

LT3301-L1-D24

CE UL cUL DC24V

- Monochrome QVGA
- 320 x 240 pixels
- 16 shades of grey
- 6 MB FEPROM
- 167.4W x 135H x 77.6D

USB x 1 | SIO 1 ch
16 I / 16 O
CANopen master (option)
I/O EXM - max 3 modules (option)

LT-3201A

LT3201-A1-D24

CE UL cUL DC24V

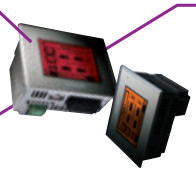
- Amber QVGA
- 320 x 240 pixels
- 8 shades
- 6 MB FEPROM
- 130W x 104H x 76.5D

USB x 1
12 I / 6 O
CANopen master (option)
I/O EXM - max 2 modules (option)

I/O EXM range : see p.10

Compact

It is a compact palm sized controller, that efficiently utilises panel space.
In addition,it is equipped with a 3.8 inch or 5.7 inch
LED touchscreen to display not only messages but also
graphical data.



Multiple

Equipped with 12-point DC inputs and 6-point transistor outputs
(16 inputs/16 outputs for 5.7inch models), it is compatible with special I/O.
With acceleration and deceleration pulse output at a maximum of 65 kHz,
and high-speed counter function performing at 100kHz as standard,
it has achieved sophisticated control functions.
(Possible to use 4-points at maximum)

All-in-one

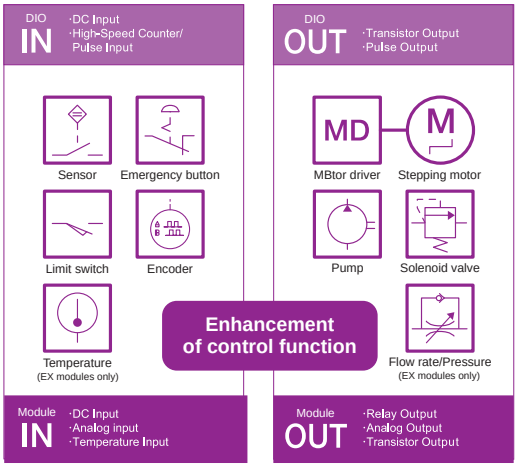
This is a dual function, cost saving high performance
device. Display, operation and control functions are
integrated into 1 unit that saves wiring and space
and also reduces the number of electrical connections.

Easy to use

By using only drag and drop operations from the instruction word menu
compatible GP-Pro EX development software makes it easy to create and
edit ladders as well as create and utilise images. In addition,
the enhanced debugging function can also reduce development
time.

User-friendly

As a USB interface is built in,it is possible to
use USB storage for image transfer and
logging, therefore, handling at your work site
can be performed without a PC.



Scalability

With the EX module I/F, 2 or 3 sets of 13 types of EX modules
can be added on.
This enables a high degree of customisation,
more than 100 combinations, for a diversity of needs and future expansion.

Industrial PC Modular

DVD Multi (R/W) available

APL3[9]00- TA CD2G 4P 2G XM60 B

Size	Main Unit Type / Power Supply		CPU	Expansion Slots	Memory	OS (Pre-installed HDD)		Others
9 19" Touch Panel LCD	BA Built-in Computer AC Power Supply	KA Panel Computer with Keypad AC Power Supply	CD2G Core® Duo 2.0GHz	2P PCI 2 slot	2G 2GB	XM60 Windows® XP ML ver.	EM2G Windows® XP Embedded ML ver. (2GB)	B Battery Unit
7 15" Touch Panel LCD	BD Built-in Computer DC Power Supply	KD Panel Computer with Keypad DC Power Supply	CM18 Celeron™ M440 1.86GHz	4P PCI 4 slot	1G 1GB	XM16S SSD unit option	NO60 Without OS	M Multi DVD Unit
6 12.1" Touch Panel LCD	TA Panel Computer AC Power Supply				5M 512MB	NO16S SSD unit option		BM Battery Unit + Multi DVD Drive
0 Built-in (BOX)	TD Panel Computer DC Power Supply							

19-inch

APL-3900T

DC24V | AC 100-240V | CE | UL | CSA

Windows® 2000 | Windows® XP | Windows® XP Embedded

- CPU: Intel Core Duo 2.0 GHz / Celeron M440 1.86 GHz
- TFT colour SXGA
- 1280 x 1024 pixels
- 262.144 colours
- 512 MB / 1 GB / 2 GB / 4GB DDR
- 2 slots: 460W x 390H x 181.2D
  4 slots: 460W x 390H x 233.2D

SIO 4 ch | CF card x 1 | USB x 5 | RAS port
DVD-ROM x 1 | Sound out | Ethernet x 2 | PCI X 2 / 4*

* The 4 slots version support the Battery unit

15-inch

APL-3700T

DC24V | AC 100-240V | CE | UL | CSA

Windows® 2000 | Windows® XP | Windows® XP Embedded

- CPU: Intel Core Duo 2.0 GHz / Celeron M440 1.86 GHz
- TFT colour XGA
- 1024 x 768 pixels
- 262.144 colours
- 512 MB / 1 GB / 2 GB / 4GB DDR
- 2 slots: 425W x 325H x 165.5D
  4 slots: 425W x 325H x 217.5D

SIO 4 ch | CF card x 1 | USB x 5 | RAS port
DVD-ROM x 1 | Sound out | Ethernet x 2 | PCI X 2 / 4*

* The 4 slots version support the Battery unit

12.1-inch

APL-3600T

DC24V | AC 100-240V | CE | UL | CSA

Windows® 2000 | Windows® XP | Windows® XP Embedded

- CPU: Intel Core Duo 2.0 GHz / Celeron M440 1.86 GHz
- TFT colour SVGA
- 800 x 600 pixels
- 262.144 colours
- 512 MB / 1 GB / 2 GB / 4GB DDR
- 2 slots: 338W x 286H x 165.1D
  4 slots: 338W x 286H x 217.1D

SIO 4 ch | CF card x 1 | USB x 5 | RAS port
DVD-ROM x 1 | Sound out | Ethernet x 2 | PCI X 2 / 4*

* The 4 slots version support the Battery unit

15-inch

APL-3700K

DC24V | AC 100-240V | CE | UL | CSA

Windows® 2000 | Windows® XP | Windows® XP Embedded

- CPU: Intel Core Duo 2.0 GHz / Celeron M440 1.86 GHz
- TFT colour XGA
- 1024 x 768 pixels
- 262.144 colours
- 512 MB / 1 GB / 2 GB / 4GB DDR
- 2 slots: 488W x 367H x 165.5D
  4 slots: 488W x 367H x 217.5D
- Number of key switches: 74

SIO 4 ch | CF card x 1 | USB x 5 | RAS port
DVD-ROM x 1 | Sound out | Ethernet x 2 | PCI X 2 / 4*1

12.1-inch

APL-3600K

DC24V | AC 100-240V | CE | UL | CSA

Windows® 2000 | Windows® XP | Windows® XP Embedded

- CPU: Intel Core Duo 2.0 GHz / Celeron M440 1.86 GHz
- TFT colour SVGA
- 800 x 600 pixels
- 262.144 colours
- 512 MB / 1 GB / 2 GB / 4GB DDR
- 2 slots: 425W x 325H x 165.5D
  4 slots: 425W x 325H x 217.5D
- Number of key switches: 74

SIO 4 ch | CF card x 1 | USB x 5 | RAS port
DVD-ROM x 1 | Sound out | Ethernet x 2 | PCI X 2 / 4*1

APL-3000B

DC24V | AC 100-240V | CE | UL | CSA

Windows® 2000 | Windows® XP | Windows® XP Embedded

- CPU: Intel Core Duo 2.0 GHz / Celeron M440 1.86 GHz
- 512 MB / 1 GB / 2 GB / 4GB DDR
- 2 slots: 243W x 125.5H x 277D
  4 slots: 243W x 176.5H x 277D

SIO 4 ch | CF card x 1
DVD-ROM x 1 | Sound out
USB x 5 | RAS port
Ethernet x 2 | PCI X 2 / 4*1

SSD 16 GB
APL3000-SD16*2
(Solide State Drive Unit)
for APL3000 models.
With a big capacity of 16GB, you can use the same operating system and applications as in the normal PC environment.

*1) The 4 slots version support the Battery unit - *2) A Battery Unit and a soft mirroring unit cannot be used when a SSD unit is used.

Easy software GP-Pro EX P15

Industrial PC Compact

PS3000

15-inch

HDD or CF card bootable
SSD 16 GB
PS371XA-SD16P
(Solide State Drive Unit) for PS3000 models.
With a big capacity of 16GB, you can use the same operating system and applications as in the normal PC environment.

PS-3710A

DC24V | AC 100-240V | CE | UL | CSA

Windows® 2000 | Windows® XP | Windows® XP Embedded

- CPU: Pentium M 1.6 GHz
- TFT colour XGA
- 1024 x 768 pixels
- 16.777.216 colours
- 1 GB / 2 GB DDR
- 395W x 294H x 100D

SIO 4 ch | CF card x 1 | Floppy + CD | USB x 5 | PCMCIA x 2 | 1 Slot PCI | Sound out | Ethernet x 2 | RAS port

PS-3711A

DC24V | AC 100-240V | CE | UL | CSA

Windows® 2000 | Windows® XP | Windows® XP Embedded

- CPU: ULV Celeron M 1 GHz
- TFT colour XGA
- 1024 x 768 pixels
- 16.777.216 colours
- 512 MB / 1 GB DDR
- 395W x 294H x 60D

SIO 2 ch | CF card x 1 | USB x 5 | PCMCIA x 2 | Sound out | Ethernet x 2 | Fanless | RAS port

PS-3000B / PS-3001B

AC 100-240V | CE | UL | CSA | DC24V

Windows® XP | Windows® XP Embedded

- CPU: PS3000B = ULV Celeron M 1 GHz
  PS3001B =ULV Celeron M 600 MHz
- 256 MB / 1 GB DDR
- PS3000B = 255W x 164H x 124D
  PS3001B = 255W x 164H x 68.8D

	PS3000B	PS3001B
SIO 2 ch	CF card x 2	USB x 5
PCMCIA x 2	Sound out	Ethernet x 2
RAS port		

12.1-inch

PS-3650A

DC24V | AC 100-240V | CE | UL | CSA

Windows® XP | Windows® XP Embedded

- CPU: Celeron M 1.5 GHz
- TFT colour XGA
- 1024 x 768 pixels
- 262.144 colours
- 256 MB / 1 GB DDR
- 313W x 239H x 103D

SIO ch x 1 | USB x 5 | PCMCIA x 1 | Ethernet x 2 | RAS port | CF card x 1 | Sound out | 1 slot PCI | select "S" model for SIO ch x 2 - No RAS port | Supporting the battery unit

PS-3651A

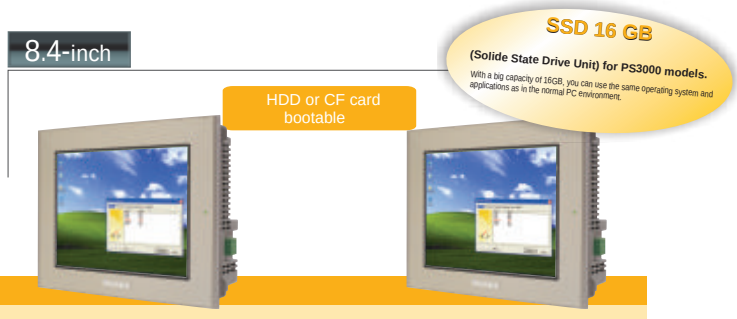
DC24V | AC 100-240V | CE | UL | CSA

Windows® XP | Windows® XP Embedded

- CPU: ULV Celeron M 1 GHz
- TFT colour XGA
- 1024 x 768 pixels
- 262.144 colours
- 256 MB / 1 GB DDR
- 313Wx 239H x 60D

SIO ch x 1 | USB x 5 | PCMCIA x 1 | Ethernet x 2 | RAS port | CF card x 1 | Sound out | Fanless | select "S" model for SIO ch x 2 - No RAS port | Supporting the battery unit

8.4-inch


SSD 16 GB
(Solide State Drive Unit) for PS3000 models.
With a big capacity of 16GB, you can use the same operating system and applications as in the normal PC environment.
HDD or CF card bootable

PS-3450A

DC24V | AC 100-240V | CE | UL | CSA

Windows® 2000 | Windows® XP | Windows® XP Embedded

- CPU: ULV Celeron M 1 GHz
- TFT colour SVGA
- 800 x 600 pixels
- 262.144 colours
- 256 MB / 1 GB
- 230W x 177H x 115D (before slot PCI)

SIO ch x 2 | USB x 4 | CF card x 2 | Ethernet x 2 | Sound out | 1 slot PCI

PS-3451A

DC24V | CE | UL | CSA

Windows® 2000 | Windows® XP | Windows® XP Embedded

- CPU: ULV Celeron M 600 MHz
- TFT colour SVGA
- 800 x 600 pixels
- 262.144 colours
- 256 MB / 1 GB
- 230W x 177H x 60D

SIO ch x 2 | USB x 4 | CF card x 2 | Ethernet x 2 | Sound out | Fanless

Industrial Flat Panel Display

FP3000

19-inch

FP-3900T

FP3900-T41-U CE UL SIP AC 100-240V

- TFT colour SXGA
- 1280 x 1024 pixels
- 16.777.216 colours
- 460W x 390H x 77.7D

SIO ch x 1 | USB x 1

15-inch

FP-3710T

FP3710-T42-U CE UL SIP AC 100-240V

- TFT colour XGA
- 1024 x 768 pixels
- 16.777.216 colours
- 395W x 294H x 60D

SIO ch x 1 | USB x 1

12.1-inch

FP-3600T

FP3600-T41-24V DC24V

- TFT colour SVGA
- 800 x 600 pixels
- 262.144 colours
- 317W x 243H x 58D

SIO ch x 1 | USB x 1

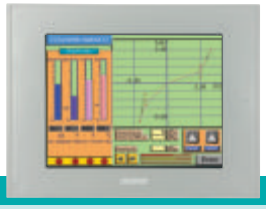
FP-3650T

FP3650-T41 AC 100-240V

- TFT colour XGA
- 1024 x 768 pixels
- 262.144 colours
- 317W x 243H x 58D

SIO ch x 1 | USB x 1

10.4-inch



FP-3500T

FP3500-T41-24V CE UL SIP DC24V

- TFT colour VGA
- 640 x 480 pixels
- 262.144 colours
- 317W x 243H x 58D

SIO ch x 1 | USB x 1

Keypad model

Touch monitor

15-inch

FP-3710K

FP3710-K41-U CE UL SIP AC 100-240V

- TFT colour XGA
- 1024 x 768 pixels
- 16 M colours
- 395W x 294H x 60D
- Number of key switches: 74

SIO ch x 1 | USB x 1

GP-Pro EX

Screen creation Software

New Version 2.60

Status Tool Bar

Helps to easily create a screen from design to transfer.

Select between 2 options: Maximize/Minimize.

Thumbnail Display

Preview screens on the thumbnail to eliminate doubts and mistakes.

You can preview screens while creating a new screen.
You can turn the display mode OFF.

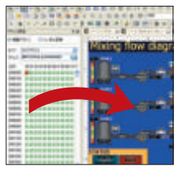
Workspace Switching Tab

Easily switch work spaces, such as system settings and address settings, using tabs.

Address Mapping

Adjust address settings using only the mouse.

Configure addresses easily and visually using the drag&drop function

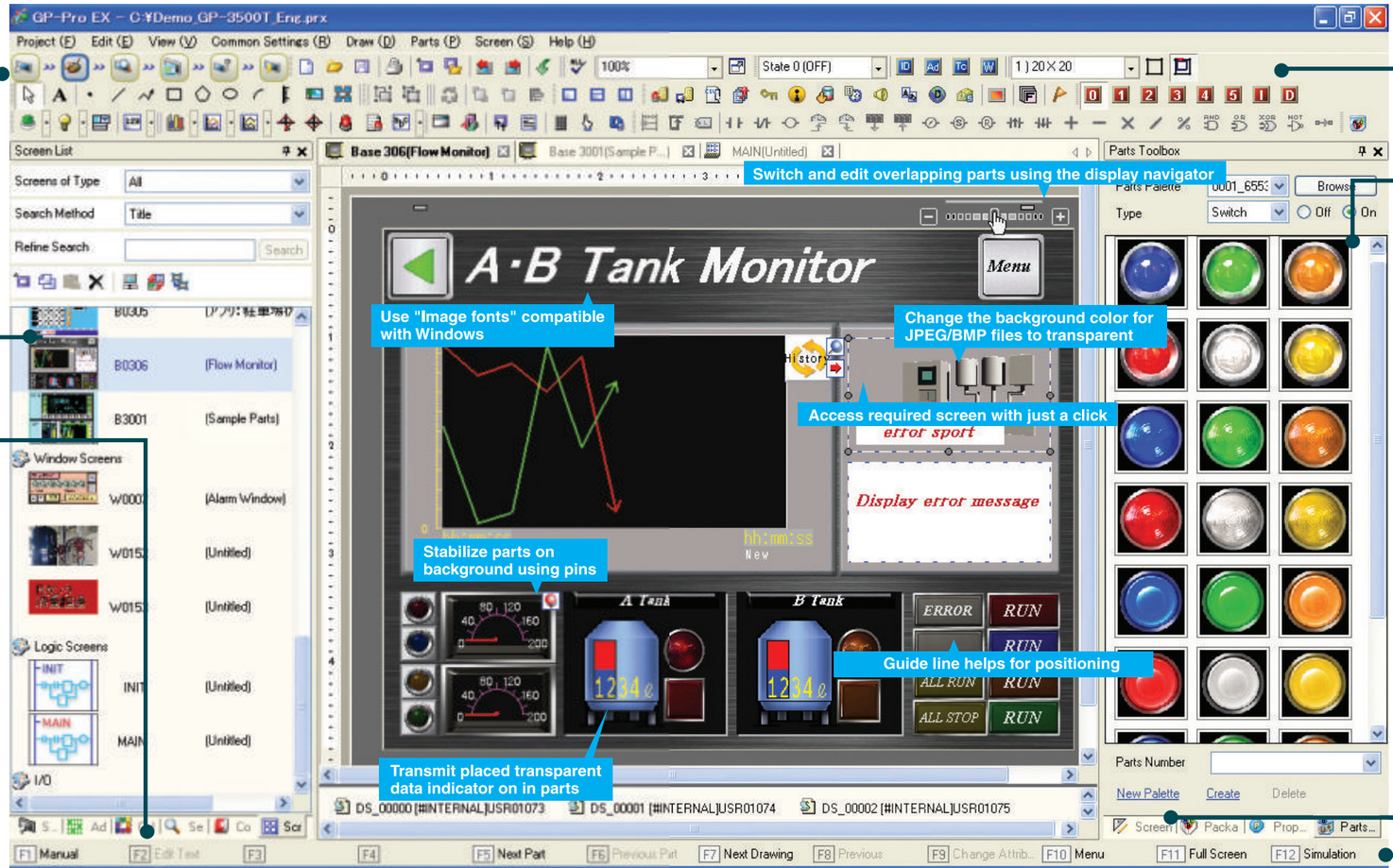


Headers & Footers

Enter images frequently used in the creation of screens (top/bottom), for use anytime on the project.

Sharing Packages

Specify location to save package files. Save files on a server or external media to share with others.


GP-Pro EX – C:¥Demo_GP-3500T_Eng.prx
Project (F) Edit (E) View (V) Common Settings (R) Draw (D) Parts (P) Screen (S) Help (H)
Screen List
Screens of Type All
Search Method Title
Refine Search Search
B0306 (Flow Monitor)
B3001 (Sample Parts)
Window Screens
(Alarm Window)
Logic Screens
I/O
Base 306(Flow Monitor)
Base 3001(Sample P...)
MAIN(Untitled)
Switch and edit overlapping parts using the display navigator
A·B Tank Monitor
Menu
Use "Image fonts" compatible with Windows
Change the background color for JPEG/BMP files to transparent
Access required screen with just a click
error sport
Display error message
Stabilize parts on background using pins
A Tank
B Tank
ERROR
RUN
ALL RUN
ALL STOP
Guide line helps for positioning
Transmit placed transparent data indicator on in parts
DS_00000 [#INTERNAL]USR01073
DS_00001 [#INTERNAL]USR01074
DS_00002 [#INTERNAL]USR01075
Parts Toolbox
Type Switch Off On
Parts Number
New Palette Create Delete
F1 Manual F2 Edit Text F3 F4 F5 Next Part F6 Previous Part F7 Next Drawing F8 Previous F9 Change Attrib... F10 Menu F11 Full Screen F12 Simulation

Customize Tool Bar Settings

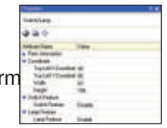
Select only necessary items to create a tool bar that is easy to use.

Parts Tool Box

Use the drag&drop function to easily configure parts you can see in the window.

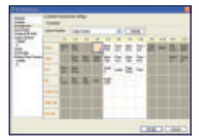
Property Window

Verify various settings all at once and perform editing here.



Support Function Keys

Enter frequently used functions into the function keys for editing without using a mouse.



Allocate functions to function key for each base screen

Main functions

F5	Transfer selected parts	Ctrl+F5	Create switch parts
F9	Change attributes	Ctrl+F7	Create data display parts
F11	Full screen	Shift+F3	Create new screen
F12	Simulation		

Main functions

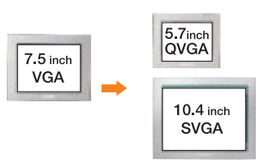
- Switches, lights, buttons, displaying / keyboarding of data numerical / alphanumeric.
- Trend graph : XY trend graph, zoom function, channel transparency, historical data.
- Object animation : colour, visibility, rotation, moving, ...
- Alarm management : historical, multi-line display ...
- Recipes management, Data sampling.
- Security: password on each object with different levels.
- Data storage on CF card.
- Data export --->PC.
- Multi-language management.
- Multi-drivers simultaneously.
- Logic program integrated with screen management.
- HMI and LADDER simulation on PC - no need to download to debug / test the project.
- Selector list: list of choice for actions - easy to use and develop

New functions - Ver 2.60

- SIMATiC STEP 7 Project symbol integration
- New CANopen network configurator (graphic)
- Symbol arrays support for symbol - solve limit of 3000 adresses
- Startup speed improvement
- All manual in HTML format (better search efficiency)

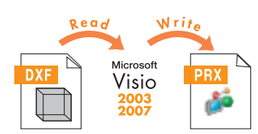
Resolution converter

Resolution is adjusted to automatically convert project files. Dramatically reduce work involved in changing to a different sized model.



Pro-face converter

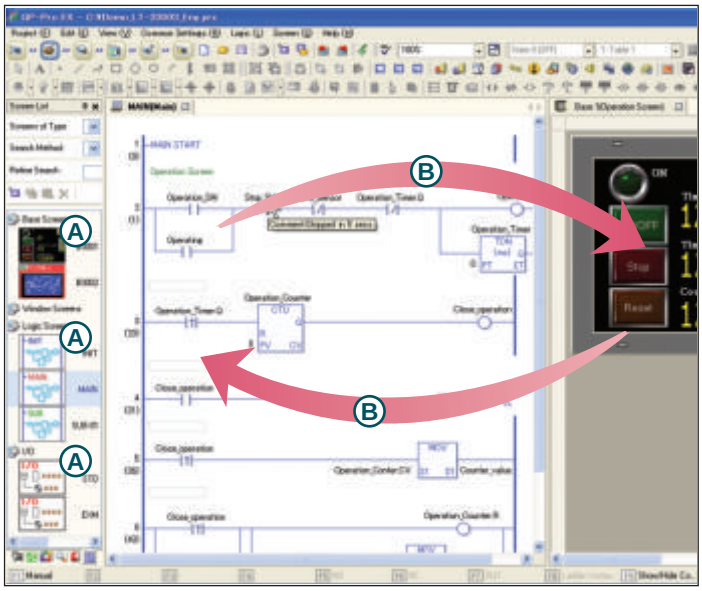
Write DXF, DWF files downloaded using Visio to GP-Pro EX project files. You can also use CAD data on screens.



Exclusive "all-in-one" development tool - HMI and PLC in one shot

Logic Program

GP-Pro EX can also be used to create screen display programs using PLC functionalities. All instruction data computing programs, etc..., Are included.



Editing is easy!

(A) Tree view for all Screen (HMI, LADDER, I/Os)

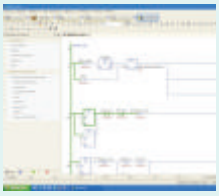
Tree view for all screen types enable smooth navigation and edition for HMI and PLC simultaneously.

(B) Drag and Drop

Drag and drop parts from graphic screen (parts) to LADDER and adresses are automatically affected.
Drag and drop from Ladder elements (contact, coil, timer, ...) to graphic screeen and adresses are automatically affected.
Drag and drop from Ladder screen to phisical I/Os screen also available.

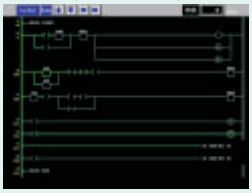
Dynamic LADDER visualisation

On-line mode (PC connection)



For development, debuging stage and final programm tests

Touch diagnostic screen (Without PC)



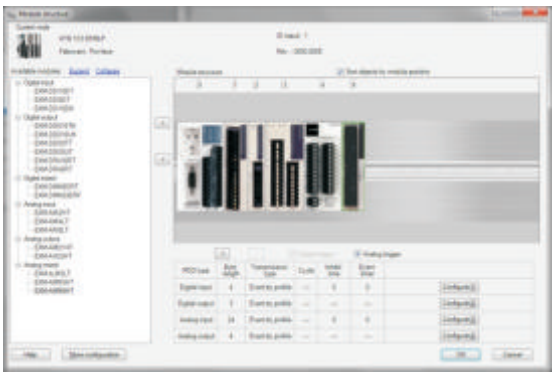
For first diagnostic on site. Maintenance team can check the problem without PC connection.

CANopen network configurator

NEW

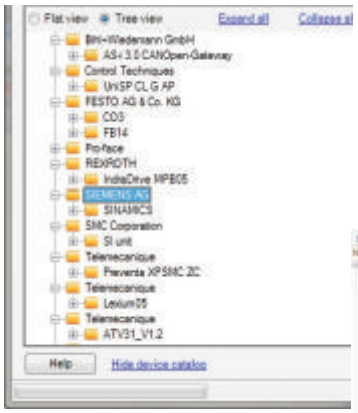
GP-Pro EX V2.60 include a new CANopen configurator.
all network devices selected and configured with the mouse :
. Master configuration (network settings)
. Slave EDS import
. Slave selection and configuration
. full graphic configurator for Pro-face I/O modules

Full graphic Pro-face CANopen I/Os configurator



Easy graphic I/Os extension modules selection (EXM series). The position of each module on the rack can be modified with mouse.

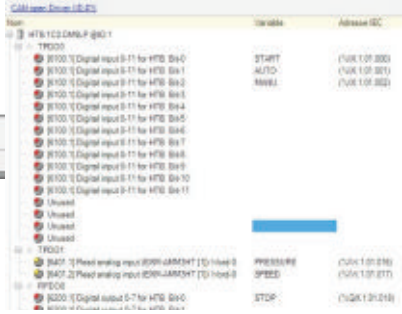
Manage diverse CANopen slave devices



Import EDS file for each CANopen slave device and manage your own catalogue.
Call your technical support to get the list of devices already tested by Pro-face.

Graphic display of the I/O terminals

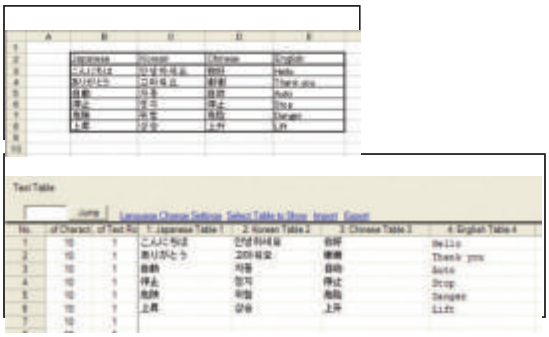
Digital and analog CANopen I/Os are displayed graphically on the I/O tree. No confusion possible during wiring operation in the cabinet.



Set language according to the operator with just one click.

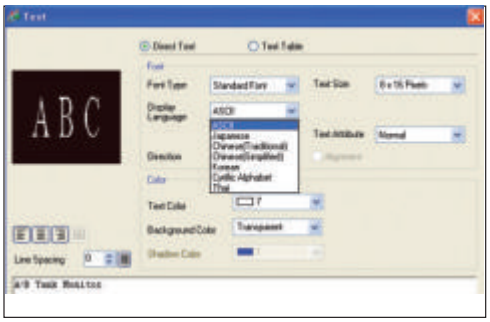
Text Table

It is easy to switch between languages for each country. Create multi-language projects.



Unicode

It is possible to display and input multiple languages by treating characters in different languages as single character codes.



Automatic Character Size Adjustment

Switching languages when multiple-languages are used automatically adjusts character sizes according to the size of the switches, lamps and message displays.

Japanese

Character size will be enlarged or reduced if the number of characters decreases or increases when switching languages.

English

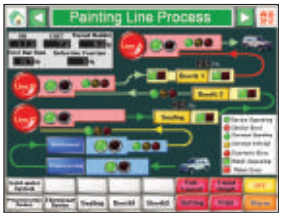
Movement inspection/document creation for efficient design.

GP-Pro EX Simulation

Implement a quasi-environment connected to PLC on your PC. Prevents mistakes by confirming “Debug” before transfer.

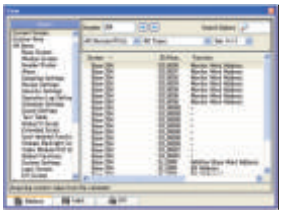
Screen View

View screens while editing, and use the mouse to control or confirm parts.



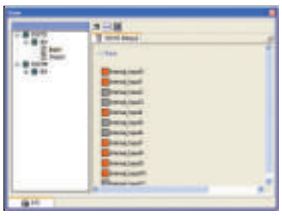
Address View

Simultaneously display and edit present address value of virtually connected devices. Link the screen view and logic view, for intuitive debug.



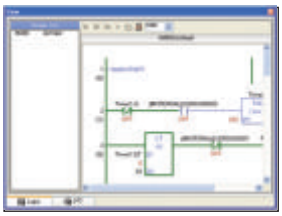
I/O View

Verify address allocated at I/O terminal for additional external I/O. It is possible to switch input ON/OFF and update present values.



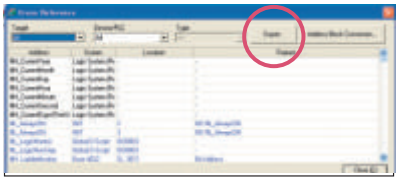
Logic View

Used to debug logic program, it is possible to confirm that symbol parameters are ON/OFF and confirm the present value.

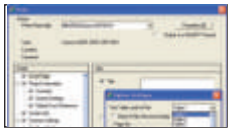


Cross Reference CSV export

You can now output the list of used addresses as a CSV file from the cross reference screen. You can output not only all screens, but also individual screens.



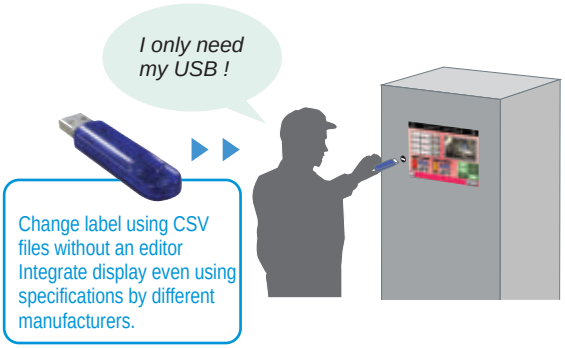
In addition...
It is possible to select and print out necessary items among configuration information from a project file created.



Easy maintenance.

USB Flash Memory Loader

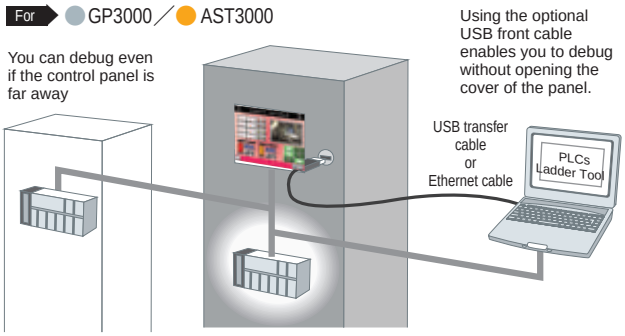
Easily send new data using USB memory without having to bring your laptop on site.


I only need my USB !
Change label using CSV files without an editor
Integrate display even using specifications by different manufacturers.

Pass-Through

Easily debug ladder and data using the display.
Open the board to easily connect a PC to the PLC.

For ● GP3000 / ● AST3000


You can debug even if the control panel is far away
Using the optional USB front cable enables you to debug without opening the cover of the panel.
USB transfer cable or Ethernet cable
PLCs Ladder Tool

Ladder Monitor / Device Monitor

It is possible to monitor a PLC ladder or device using a display on site. Readily check PLC status at time of occurence of trouble

○ Ladder Monitor

For ● GP3000

Inch models :
7.5 / 10.4 / 12.1 / 15

○ DeviceMonitor

Data logging for easy use.

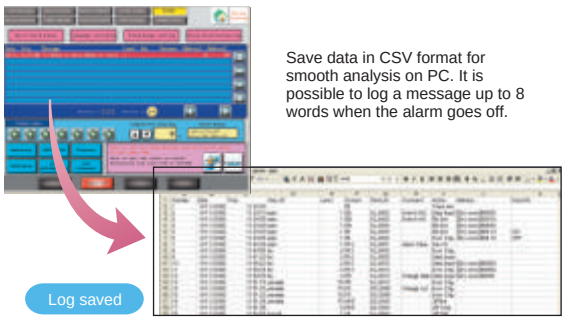
Operation Log

Obtain operator's control log by part. Monitor necessary parts only for easy management

The CSV file can hold 10.000 entries
Create a new file when full

Alarm Log

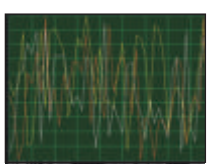
Simultaneously obtain PLC alarm message and device value to quickly discover the cause



Save data in CSV format for smooth analysis on PC. It is possible to log a message up to 8 words when the alarm goes off.

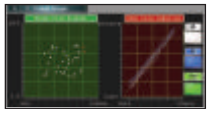
Historical Trend Graph

Chronologically display graph for CF card and ASB memory. Easily analyse log of abnormal occurences.



○ Historical trend graph display ON/OFF

Turn the display ON/OFF for necessary graphs online (channel). It is also possible to display auxiliary lines (upper limit, reference point, lower limit)



○ XY Graph

It is possible to display points/lines of the word address values, such as weight and pressure, to X/Y coordinates.

GP-Pro EX

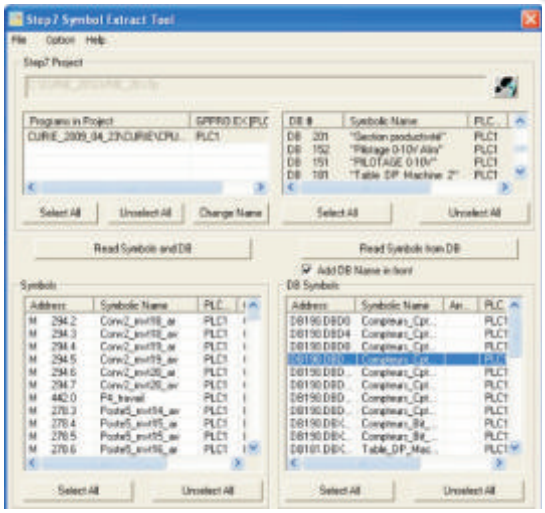
Screen creation Software

New Version 2.60

Security function each user.

S7 symbol/variable import tool

NEW

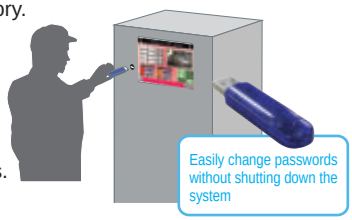


Save your time. Direcly import all the symbol/variable declared in the Siemens Step 7 development tool. No need to input again the adresses in your project.

Change Passwords Online

It is possible to change passwords online. Passwords may also be changed or added using a CSV file in CF/USB memory.

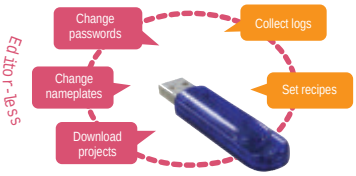
Configure authority parameters by setting certified ID or password for each part to be controlled using different security levels.



Reduce work using combined solutions!

No PC on site

Change passwords and labels, or transfer screens and collect logs using only a USB memory.



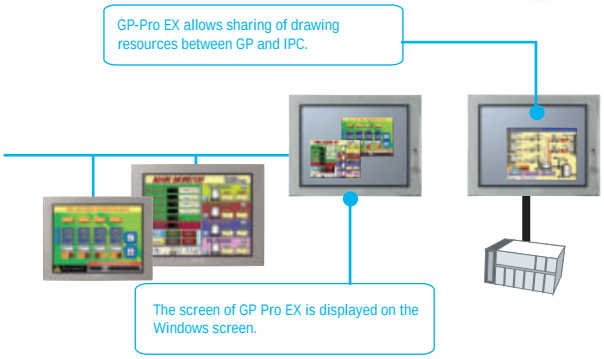
WinGP

GP-Pro EX for panel computer Runtime Engine.

Runtime PC WinGP

Runtime engine for IPC and PC/AT

- Screen editor for panel computer.
- Compatible with GP screen data.
- Multi-driver supported with various host controller.


GP-Pro EX allows sharing of drawing resources between GP and IPC.
The screen of GP Pro EX is displayed on the Windows screen.

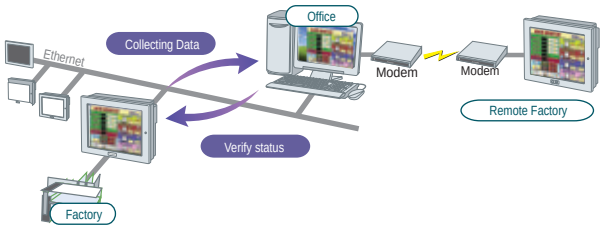
- Runtime PC, 3000 variables / page
- All protocols available (Unitelway, Modbus series and TCP, MPI, PPI,...)
- Routines import / export of variables ---> soft Windows - VB, VC, Dot.net

GP-Viewer EX

Remote monitoring and control.

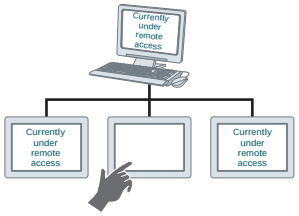
Remote monitoring software GP Viewer EX

You can check the situation of the site on PCs outside the site, as you can view/operate the same screens as those at the site through the Ethernet.



○Lock screen operation with exclusive access control

Set screen operation so that it can not be performed on any display (or PC) except the one being used to avoid mistakes by another operator when using multiple displays or when connected to a PC.



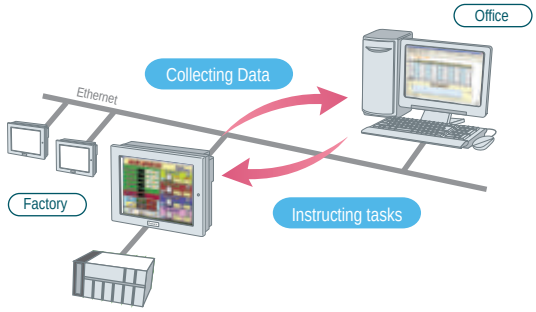
Pro-Server EX

Remote solutions without program required.

Data management software **Pro-Server EX**

Collect work records on computer connected to the Ethernet. Operating instructions, such as recipes, can be sent from a computer to GP.

For ● GP3000 ● LT3000 (Only with Ethernet I/F machine)
● PS3000 ● APL3000 (WinGP required)



Recipe

Automatically deliver production instructions!

Directly deliver instructions to the site for recipes created at the office. Build an accurate and safe system without any delivery mistakes.

Data logging

Collect production data in real time!

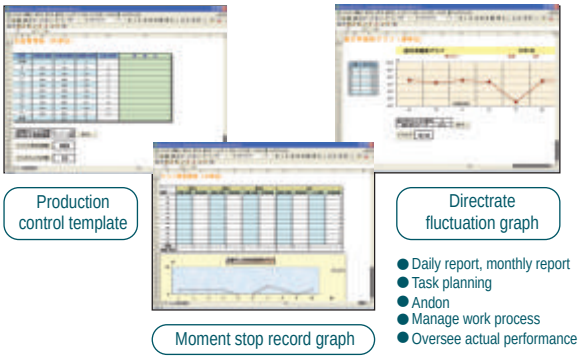
Automatically collect data, such as PLC data, in various formats, including Excel

Record creation

Share information by creating records with Excel

Acuurately create site documents such as daily reports. Reduce programming work using templates prepared ahead of time.

Over 29 standard templates which can be used immediatly



Production control template

Directrate fluctuation graph

Moment stop record graph

- Daily report, monthly report
- Task planning
- Andon
- Manage work process
- Oversee actual performance

Works together with third party production report software

HARMONY

Connect directly to "EasyReport PRO" by Harmony Co., Ltd.

MES action also supported

The MES action tool allows you to collect data using the analysis and reporting functions provided by SQL server.

List of available software

GP-Pro EX Ver.2.60 (EX-ED-V26)

OS		Windows® 2000 (service Pack 3 or later), Windows® XP (Home Edition, Professional), Windows Vista (Ultimate, Home Premium, Home Basic, Business), Windows® 7 32-bit (Ultimate, Enterprise, Professional, Home Premium, Home Basic, Starter)
CPU		Pentium® III 800MHz or greater (Pentium® 4 1.3GHz or greater recommended)
Resolution		SVGA 800X600 or better (256 colors or greater required)
Memory		512MB or greater (1 GB or greater recommended)
Hard Disk Space		400MB or greater Free space necessary for installation
Language	Software Menu	English/Japanese (Other languages are scheduled to be supported. For more details, visit the "Otasuke web site")
	Languages that Hardware can Display	English/Japanese/Korean/Chinese (simplified/Traditional)/Taiwanese/Cyrillic/Thai For languages other than English/Japanese, FEPs and fonts for these languages should be added.

Transfer tool

OS	Windows® 98 (Second edition or later), Windows® Me. Windows® 2000 (Service Pack 3 or later), Windows® XP (Home Edition, Pro)/ Windows® Vista (Ultimate, Home Premium, Home Basic, Business). ? For the installation of this product, administrator rights are required.
CPU	Pentium® II 266MHz or greater recommended.
Memory	128 MB or greater (512 MB recommended)
Hard Disk Space	60 MB or greater ? Free space necessary for installation

※ A USB port or Ethernet port is required to transfer screens on a PC

Pass-Through

OS	Windows® 2000 Professional (Service Pack 4 or later), Windows® XP (Service Pack 2 or later)

Web Server

OS	Windows® 2000 (Service Pack 3 or later), Windows® XP (Service Pack 2), Windows® Vista (Ultimate, Home Premium, Home Basic, Business, Enterprise) Windows® Server 2003 (Service Pack 2)
Supported Browser	Microsoft Internet Explorer Ver. 6.0 or 7.0
Screen Resolution	XGA 1024X768 or greater

GP Remote Printer Server

OS	Windows® 2000 (Service Pack 3 or later), Windows® XP (Professional), Windows® Server 2003
Hard Disk Space	800KB or greater Free space necessary for installation
FTP Server	FTP server component included in IIS IIS Versions; Windows 2000:IIS5.0, Windows XP:IIS5.1, Windows Server 2003:IIS6.0

Pro-Server EX Ver.1.2 (EX-SDV-V12)

OS	Windows® 2000 (Service Pack 3 or later), Windows® XP (Home Edition, Professional), Windows® Server 2003 For the installation of this product, administrator rights are required.
CPU	Pentium® III 500MHz or greater (Pentium® III 800MHz or greater recommended)
Resolution	SVGA 800X600 or greater (256 colors or greater required), only 96dpi font
Memory	128 MB or greater (256 MB or greater recommended)
Hard Disk Space	1GB or greater (2GB or greater recommenced) Free space necessary for installation
Language Software Menu	English/Japanese
Other Software	Microsoft® Excel 2000 or later (for setting the action function)
	Microsoft® Access 2000 or later (for setting the action function)
	Microsoft® Internet Explorer Ver.5.0 or later (for setting the action function)
	.NET Framework Ver.1.1
Printer	Any printer if it is supported by the OS
Network Adapter	10BASE-T, 100BASE-TX
Network Configuration	TCP/IP protocol (Configure from "Control Panel" in Windows)

GP-Viewer EX (EX-VIEWER-LICENSE)

OS	Windows® 2000 (Service PACK 3), Windows® XP (service pack 2), Windows® Vista (Ultimate, Home Premium, Home Basic, Business, Enterprise) Windows® Server 2003 (Service Pack 2)

WinGP for IPC (EX-WINGP-IPC)

OS	Windows® 2000 Professional (service Pack 3 or later) Windows® XP Professional, Windows® XP embedded.
Memory	256MB or greater (512MB or greater recommended)

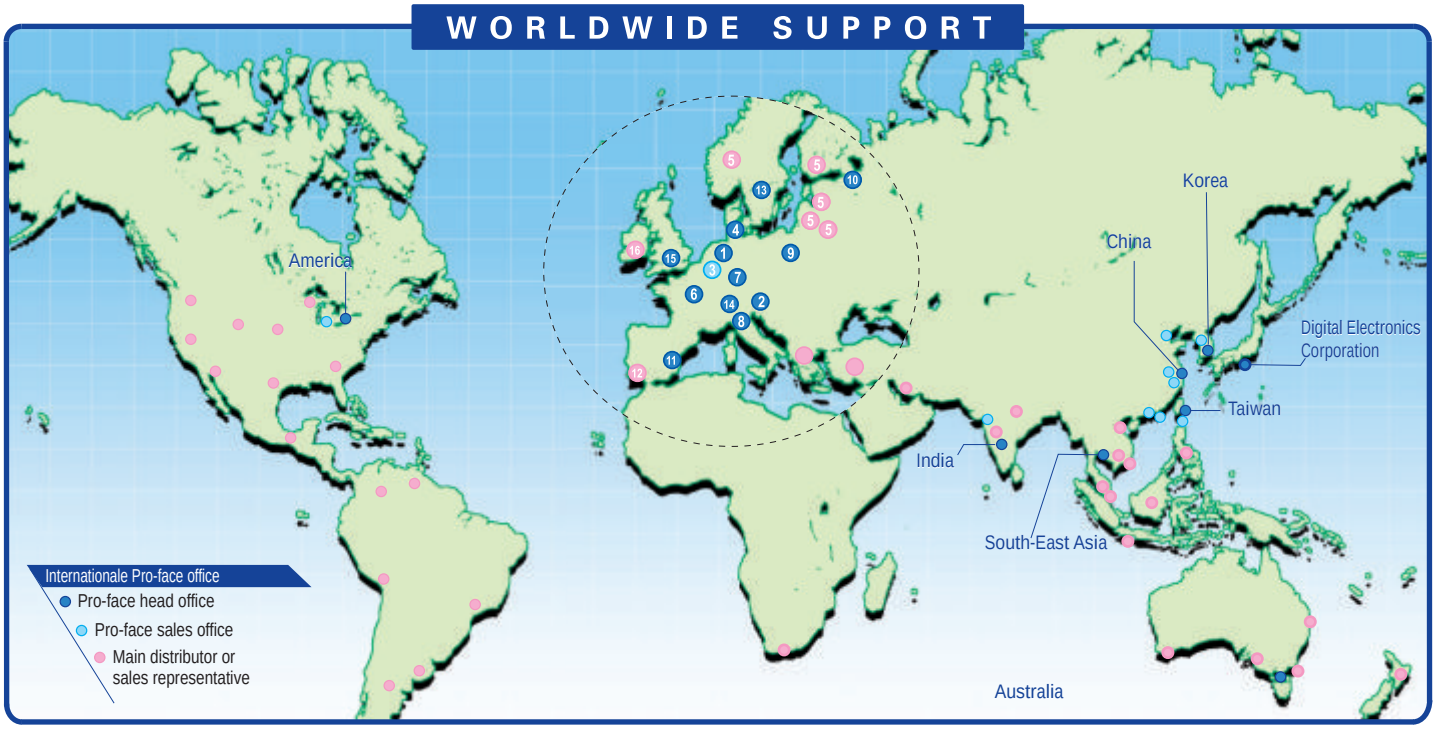
WinGP for PC/AT (EX-WINGP-PCAT)

OS	Windows® 2000 (service Pack 3 or later), Windows® XP (Home edition, Pro.) Windows® Vista (Ultimate, Home Premium, Home Basic, Business, Enterprise) 32 bit
CPU	Pentium® M 1GHz or greater recommended
Display Resolution	SVGA 800X600 or better
Memory	512 MB or greater (1GB or greater recommended)
Hard Disk Space	200 MB or greater

RPA (Remote PC Access) (EX-RPA)

OS	Visit http:ultravnc.sourceforge.net
Other	GP-Pro EX (Ver.2.0 or later), RPA keycode (EX-RPA (sold separately)), Ultra-VNC Ver .1.0.2 should be installed on the PCs on the server, LAN cable, HUB (commercially available). Connect one server to one GP.

WORLDWIDE SUPPORT



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